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On nucleic - nucleic search, using sw model

Run on: November 8, 2001, 12:59:21 ; Search time 101.15 seconds  
(without alignments)  
13812.583 Million cell updates/sec

Title: US-09-227-881-3  
Perfect score: 6169  
Sequence: 1 atctttgttcagtttaccc.....cttggtccccctccatgtcag 6169

Scoring table: OLIGO\_NUC  
Gapop 60.0 , Gapext 60.0

Searched: 351203 seqs, 113238999 residues

Word size : 8

Total number of hits satisfying chosen parameters: 540559

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Issued\_Patents\_NA:\*

1: /cgn2\_6/ptodata/2/1na/5A-COMB.seq: \*  
2: /cgn2\_6/ptodata/2/1na/5B-COMB.seq: \*  
3: /cgn2\_6/ptodata/2/1na/6A-COMB.seq: \*  
4: /cgn2\_6/ptodata/2/1na/6B-COMB.seq: \*  
5: /cgn2\_6/ptodata/2/1na/PC7US.COMB.seq: \*  
6: /cgn2\_6/ptodata/2/1na/backfles1.seq: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description
1	6169	100.0	6169	4	US-08-938-669A-3		Sequence 3, Appl1
2	5008	81.2	5304	4	US-08-938-669A-1		Sequence 1, Appl1
3	4476	72.6	5304	4	US-08-938-669A-2		Sequence 2, Appl1
4	640	10.4	1548	4	US-08-938-669A-26		Sequence 26, Appl1
5	640	10.4	1999	2	US-08-938-669A-2		Sequence 2, Appl1
6	640	10.4	1999	2	US-08-938-669A-2		Sequence 2, Appl1
7	640	10.4	1999	2	US-08-938-669A-2		Sequence 2, Appl1
8	640	10.4	1999	3	US-08-938-669A-2		Sequence 2, Appl1
9	640	10.4	1999	4	US-08-938-669A-2		Sequence 2, Appl1
10	604	9.8	1512	2	US-08-938-669A-3		Sequence 3, Appl1
11	604	9.8	1512	2	US-08-938-669A-3		Sequence 3, Appl1
12	604	9.8	1512	2	US-08-938-669A-3		Sequence 3, Appl1
13	604	9.8	1512	3	US-08-938-669A-3		Sequence 3, Appl1
14	604	9.8	1512	4	US-08-938-669A-3		Sequence 3, Appl1
15	599	9.7	2166	4	US-08-938-669A-3		Sequence 1, Appl1
16	553	9.0	1512	4	US-08-938-669A-3		Sequence 2, Appl1
17	538	8.7	2	US-08-938-669A-3		Sequence 1, Appl1	
18	527	8.5	1509	2	US-08-938-669A-3		Sequence 2, Appl1
19	366	5.9	1968	5	PCT-US95-14024-2		Sequence 2, Appl1
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22	350	5.3	1491	1	US-08-938-669A-3		Sequence 3, Appl1
23	330	5.3	1491	5	PCT-US95-14024-3		Sequence 3, Appl1
24	25	5.3	1491	5	PCT-US95-14024-3		Sequence 9, Appl1
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ALIGNMENTS

RESULT	1
US-08-938-669A-3	
Sequence 3, Application US/08938669A	
Patent No. 6171788	
GENERAL INFORMATION:	
APPLICANT: Nguyen, Thai D.	
APPLICANT: Polansky, Jon R.	
TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS, PROGNOSIS AND TREATMENT OF GLAUCOMA AND RELATED DISEASES	
TITLE OF INVENTION: PROGNOSIS AND TREATMENT OF GLAUCOMA AND RELATED DISEASES	
NUMBER OF SEQUENCES: 32	
CORRESPONDENCE ADDRESS:	
ADDRESSEE: Howrey & Simon	
STREET: 1299 Pennsylvania Avenue, N.W.	
CITY: Washington	
STATE: DC	
COUNTY: USA	
ZIP: 20004-2402	
COMPUTER READABLE FORM:	
MEDIUM TYPE: Diskette	
COMPUTER: IBM Compatible	
OPERATING SYSTEM: DOS	
SOFTWARE: FASTSEQ for Windows Version 2.0	
CURRENT APPLICATION DATA:	
APPLICATION NUMBER: US/08938-669A	
FILING DATE:	
CLASSIFICATION: 435	
PRIORITY APPLICATION DATA:	
APPLICATION NUMBER: 08/791,154	
FILING DATE: 28-JAN-1997	
ATTORNEY/AGENT INFORMATION:	
NAME: Mendelson, Elliot	
REGISTRATION NUMBER: P-42,878	
REGISTRATION NUMBER: P-42,878	
REFERENCE/DOCKET NUMBER: 07425-0034	
TELECOMMUNICATION INFORMATION:	
TELEPHONE: 202 383-6857	
TELEFAX: 202 383-6610	
TELEX:	
INFORMATION FOR SEQ ID NO: 3:	
SEQUENCE CHARACTERISTICS:	
LENGTH: 6169 base pairs	
TYPE: nucleic acid	
STRANDEDNESS: single	
TOPOLOGY: linear	
SEQUENCE 1, Appl1	
SEQUENCE 2, Appl1	
SEQUENCE 3, Appl1	
SEQUENCE 4, Appl1	
SEQUENCE 5, Appl1	
SEQUENCE 6, Appl1	
SEQUENCE 7, Appl1	
SEQUENCE 8, Appl1	
SEQUENCE 9, Appl1	
SEQUENCE 10, Appl1	
SEQUENCE 11, Appl1	
SEQUENCE 12, Appl1	
SEQUENCE 13, Appl1	
SEQUENCE 14, Appl1	
SEQUENCE 15, Appl1	
SEQUENCE 16, Appl1	
SEQUENCE 17, Appl1	
SEQUENCE 18, Appl1	
SEQUENCE 19, Appl1	
SEQUENCE 20, Appl1	
SEQUENCE 21, Appl1	

Query Match Similarity: 100.0%; Score: 6169; DB: 4; Length: 6169;  
Matches: 6169; Conservative: 0; Mismatches: 0; Indels: 0; Gaps: 0;



















APPLICANT: HUANG, WEIDONG  
 TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS OF  
 NUMBER OF INVENTION: GLAUCOMA  
 NUMBER OF SEQUENCES: 3  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: HOWREY & SIMON  
 STREET: 1299 PENNSYLVANIA AVE., N.W.  
 CITY: WASHINGTON  
 STATE: D.C.  
 COUNTY: US  
 ZIP: 20004  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/645,900A  
 FILING DATE: 14 MAY 1996  
 CLASSIFICATION: 530  
 ATTORNEY/AGENT INFORMATION:  
 NAME: MARSH, DAVID  
 REGISTRATION NUMBER: 41,408  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (202) 383-7451  
 TELEFAX: (202) 383-6610  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1999 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 US -08-645-900A-2

Query Match 10.4%; Score 640; DB 2; Length 1999;  
 Best Local Similarity 100.0%; Pred. No. 6.1e-286; Mismatches 0; Indels 0; Gaps 0;  
 Matches 640; Conservative 0; MisMatches 0; Indels 0;

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RESULT 6  
 US-08-882-238A-2  
 ; sequence 2, Application US/08882238A  
 ; patent No. 5854115  
 ; GENERAL INFORMATION:  
 ; APPLICANT: NGUYEN, THAI D.  
 ; APPLICANT: POLANSKY, JON R.  
 ; APPLICANT: HUANG, WEIDONG  
 ; TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS OF  
 ; TITLE OF INVENTION: GLAUCOMA  
 ; NUMBER OF SEQUENCES: 3  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: HOWREY & SIMON  
 ; STREET: 1299 PENNSYLVANIA AVE., N.W.  
 ; CITY: WASHINGTON  
 ; STATE: D.C.  
 ; COUNTRY: US  
 ; ZIP: 20004  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/882,238A  
 FILING DATE: 25 JUNE 1997  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: MARSH, DAVID  
 REGISTRATION NUMBER: 41,408  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (202) 383-7451  
 TELEFAX: (202) 383-6610  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1999 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 US -08-882-238A-2

Query Match 10.4%; Score 640; DB 2; Length 1999;  
 Best Local Similarity 100.0%; Pred. No. 6.1e-286; Mismatches 0; Indels 0; Gaps 0;  
 Matches 640; Conservative 0; MisMatches 0; Indels 0;

Qy 5301 agggctttccagagaaacctccaccaacggctctgtcaatgggtttctgtacagtgc 5360  
 Db 1 AGACCTTCAGAGGAGCCTCACCAAGCCTCAGCAATGAGGTTCTCTGACAGTGC 60  
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 Qy 5421 gatgtggggggcggacagctcgatcggatggccatgtaccatggcggatgtggcg 5480  
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 Qy 5481 tataaccttcgtgtggccatgtcccaatataatccatcgatcccgatcccgatcc 5540  
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 Qy 5541 tcgttcgtccatcaatctacatcgatggacacggacggccaccaacgtttatggggcc 5600  
 Db 241 TCAGTCATCCATCACTTACAGAGACAGCAGCAGCCACCCACGCTTGTGAGGCC 300  
 Qy 5601 aacgttcgtccatcgatggggatccatgtggatggatgtggatggatggatggatgg 5660  
 Db 301 AAAGCTCAGCTACGTCCTGGAGAGCCCTCCACCAATTGACCTTGACCTTGAC 360  
 Qy 5661 agcccccggagacccacggggatgtggatggatggatggatggatggatggatgg 5720  
 Db 361 AGCCCCCAGGAGACCCAGGGCTGAGAGGGAGGGACCCCTGAGGGGGAGGG 420  
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RESULT 7
US-08-667-790A-2
; Sequence 2, Application US/08667790A
; Patent No. 5865497
; GENERAL INFORMATION:
;   APPLICANT: NGUYEN, THAI D.
;   APPLICANT: POLANSKY, JON R.
;   APPLICANT: HUANG, WEIDONG
;   TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS OF
;   TITLE OF INVENTION: GLAUCOMA
;   NUMBER OF SEQUENCES: 3
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: HOWREY & SIMON
;   STREET: 1299 PENNSYLVANIA AVE., N.W.
;   CITY: WASHINGTON
;   STATE: D.C.
;   COUNTRY: US
; ZIP: 20004

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/667,790A
;   FILING DATE: 21 JUNE 1996
;   ATTORNEY/AGENT INFORMATION:
;     NAME: MARSH, DAVID
;     REGISTRATION NUMBER: 41,408
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE: (202) 383-7451
;       TELEFAX: (202) 383-6610
;     INFORMATION FOR SEQ ID NO: 2:
;       SEQUENCE CHARACTERISTICS:
;         LENGTH: 1999 base pairs
;         TYPE: nucleic acid
;         STRANDEDNESS: single
;         TOPOLOGY: linear
;         MOLECULE TYPE: cDNA
; US-08-667-790A-2

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Query Match 10.4%; Score 640; DB 2; Length 1999;
Best Local Similarity 100.0%; Pred. No. 6.1e-286; 0; Mismatches 0; Insets 0; Gaps 0;
Matches 640; Conservative 0; MisMatches 0; Insets 0; Gaps 0;
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Db 361 AGCCCCAGGAGACCAGGGCTCGAGGGGAGGGGACCCCTGGGACCCCTGGGGAGCGG 420
Qy 5721 gacccatgtggaaacccaaacccaaacccaaacccaaacccaaacccaaaccc 5780
Db 421 GACCACTGAAACCCAAACCCAGAGACTGGAGACCTGGGAGCTACAGCAACCTCTCGAG 480
Qy 5781 aatgttcgtactcgttcgtccgtggaaatccctccacaaatgtacttggggccatgtgg 5840
Db 481 AAGTCAGTCGAGGAGAGCAGCTTAACTGAGGAGAAATGAGAATCTGGCAG 540
Qy 5841 aatgttcgtactcgttcgtccgtggaaatccctccacaaatgtacttggggccatgtgg 5900
Db 541 AGGTGGAAGCAGCCAGGAGTGGAGCTAACAGCTGAGAGGGCCAGTGGCCAGACC 600
Qy 5901 ctagacactgtccgggtgtggccacccaggccatgggg 5940
Db 601 CGAGACACTGCTGGCTGTCACCCAGGCTCCAGAGAG 640

RESULT 8
US-09-220-459-2
; Sequence 2, Application US/09220459
; Patent No. 6150161
; GENERAL INFORMATION:
;   APPLICANT: Nguyen, Thai D.
;   APPLICANT: Polansky, Jon R.
;   APPLICANT: Huang, Weidong
;   TITLE OF INVENTION: Methods for the Diagnosis of Glaucoma
;   FILE REFERENCE: 07425.0056
;   CURRENT APPLICATION NUMBER: US/09/220,459
;   CURRENT FILING DATE: 1998-12-24
;   EARLIER APPLICATION NUMBER: 08/882,238
;   EARLIER FILING DATE: 1997-06-25
;   EARLIER APPLICATION NUMBER: 08/649,432
;   EARLIER FILING DATE: 1996-05-17
;   EARLIER APPLICATION NUMBER: 08/546,568
;   EARLIER FILING DATE: 1995-10-20
;   EARLIER APPLICATION NUMBER: 08/336,235
;   EARLIER FILING DATE: 1994-11-03
;   NUMBER OF SEQ ID NOS: 3
;   SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2

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